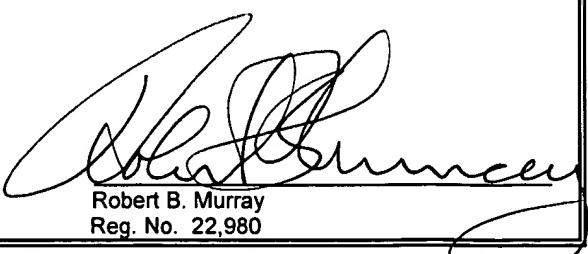


79 Rec'd PCT/ATC 21 SEP 1999

FORM PTO-1390 (REV 5-93)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. P564-9039
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		DATE: September 21, 1999
		U.S. APPLN. NO. (IF KNOWN, SEE 37 CFR 1.5) <b>09/381286</b>
INTERNATIONAL APPLICATION NO. PCT/EP98/01653	INTERNATIONAL FILING DATE 20 March 1998	PRIORITY DATE CLAIMED 21 March 1997
TITLE OF INVENTION: PROCESS FOR THE PURIFICATION AND CRYSTALLIZATION OF PROTEASOME		
APPLICANT(S) FOR DO/EO/US: Michael GROLL, Robert HUBER, Lars DITZEL, Richard ENGH		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input checked="" type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11. to 16. below concern other document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: PCT/IPEA/416, PCT/IPEA/409, 8/27/99 Letter to WIPO, PCT/RO/101, PCT/IB/306 dated 9/3/99, PCT/IB/306 dated 2/5/99, Small Entity Declaration CHECK NO. 00861 Drawings - 14 sheets</p>		

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) <b>09/381286</b>		INTERNATIONAL APPLICATION NO. PCT/EP98/01653		ATTORNEY DOCKET NO. P564-9039										
				DATE: September 21, 1999										
<p>17. <u>XX</u> The following fees are submitted:</p> <p><b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b></p> <table> <tr> <td>Search Report has been prepared by the EPO or JPO.....</td> <td>\$840.00</td> </tr> <tr> <td>International preliminary examination fee paid to USPTO (37 CFR 1.482).....</td> <td>\$670.00</td> </tr> <tr> <td>No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....</td> <td>\$760.00</td> </tr> <tr> <td>Neither international preliminary examination fee (37 CFR 1.482) or international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....</td> <td>\$970.00</td> </tr> <tr> <td>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....</td> <td>\$ 96.00</td> </tr> </table>				Search Report has been prepared by the EPO or JPO.....	\$840.00	International preliminary examination fee paid to USPTO (37 CFR 1.482).....	\$670.00	No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....	\$760.00	Neither international preliminary examination fee (37 CFR 1.482) or international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....	\$970.00	International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....	\$ 96.00	CALCULATIONS <span style="float: right;">PTO USE ONLY</span>
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International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....	\$ 96.00													
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$840										
Surcharge of \$130.00 for furnishing the oath or declaration later than <u>20</u> <u>30</u> months from the earliest claimed priority date (37 CFR 1.492(e)).				\$00										
Claims	Number Filed	Number Extra	Rate											
Total Claims	20 - 20 =	00	X \$ 18.00	\$00										
Independent Claims	03 - 3 =	00	X \$ 78.00	\$00										
Multiple dependent claim(s) (if applicable)			+ \$260.00	\$00										
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$840										
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				\$420										
<b>SUBTOTAL =</b>				\$420										
Processing fee of \$130.00 for furnishing the English translation later the <u>20</u> <u>30</u> months from the earliest claimed priority date (37 CFR 1.492(f)).				\$00										
<b>TOTAL NATIONAL FEE =</b>				\$420										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$00										
<b>TOTAL FEES ENCLOSED =</b>				\$420										
Amount to be refunded				\$										
Charged				\$										
<p>a. <u>XX</u> A check in the amount of \$420 to cover the above fees is enclosed.</p> <p>b. <u>_</u> Please charge my Deposit Account No. <u>14-1060</u> in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <u>XX</u> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1060</u>.</p>														
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>														
<p>SEND ALL CORRESPONDENCE TO:</p> <p>NIKAIDO, MARMELSTEIN, MURRAY AND ORAM LLP Metropolitan Square 655 15th Street, N.W. Suite 330 - G Street Lobby Washington, D.C. 20005-5701 Telephone No. (202) 638-5000</p>														
 Robert B. Murray Reg. No. 22,980														